

CLAIMS

What is claimed is:

1. A detection / cleaning device for reticles employed in the production of electronic components, wherein the detection / cleaning device

has a cleaning unit, in which a cleaning chamber is constructed, at least one gas feed for introducing a pressurized fluid cleaning medium opens into the cleaning chamber, and at least one suction means, by means of which the gas can be discharged from the cleaning chamber, leads from the cleaning chamber, wherein the cleaning chamber has at least one first opening for introducing and removing a reticle,

is further provided with a detection unit for detecting contaminants on articles used in semiconductor production, wherein, to this end, the detection unit has a detection means, into which a reticle can be introduced from one feed side of the detection unit, wherein the first opening of the cleaning chamber and the feed side lie opposite each other, and

is provided with a feeding device, which is provided solely for exchanging a reticle between the cleaning unit and the detection unit.

2. The detection / cleaning device according to claim 1, in which the feeding device is provided with only one axis of movement.
3. The detection / cleaning device according to claim 2, in which the feeding device is provided with only one axis of linear travel.

4. The detection / cleaning device according to claim 1, further characterized in that an opening is provided for the cleaning chamber on each of the opposite-lying sides, wherein a reticle can be introduced into the cleaning chamber through both openings by input and output.
5. The detection / cleaning device according to claim 4, further characterized in that one of the openings lies directly opposite a recess of the housing of the detection unit for feeding in a reticle.
6. The detection / cleaning device according to claim 1, further characterized in that the feeding device has a movable holding part in which a reticle can be arranged in a clamp and the reticle can be introduced into both the detection unit and the cleaning chamber in only this one clamp.